

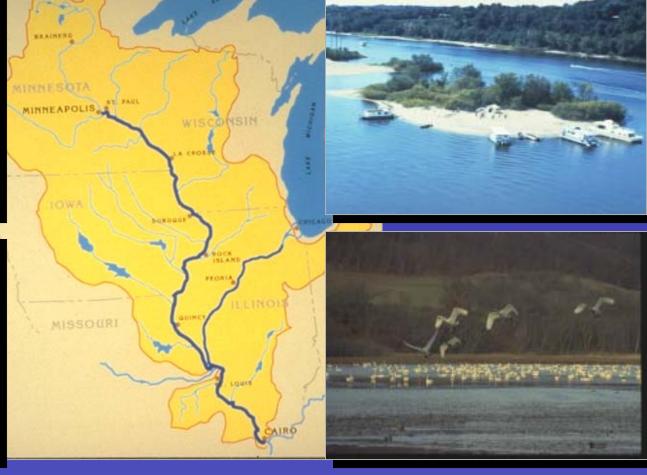
The Upper Mississippi River System (UMRS) Environmental Management Program



Upper Mississippi River System (UMRS)

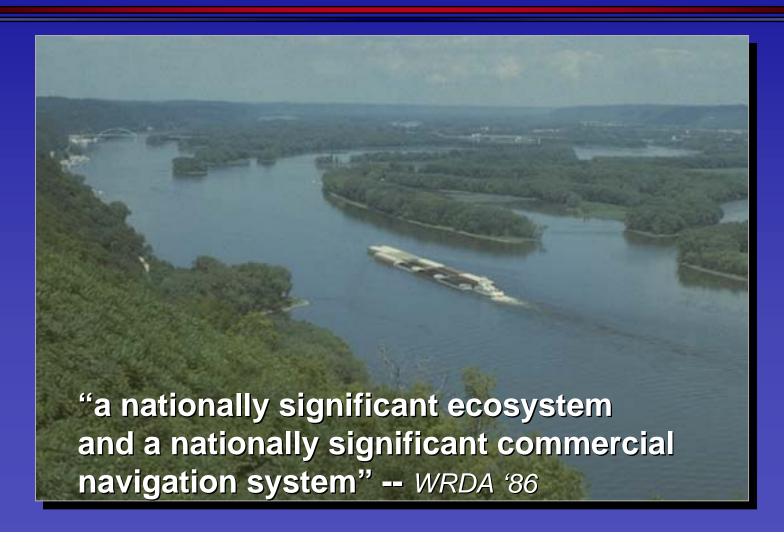








WRDA '86





US Army Corps of Engineers

St. Paul District







The UMRS Environmental Management Program







Partnership

US Fish and Wildlife Service

US Geological Survey

State of Illinois

State of Wisconsin

State of Missouri



State of Iowa

State of Minnesota

UMR Basin Association

US Corps of Engineers
St. Paul - Rock Island - St. Louis

Public



EMP Elements

Long Term Resource Monitoring

(LTRM)

\$10.5 Million Annually



Habitat Restoration and Protection Projects

\$23 Million Annually





Habitat Needs Assessment

- Technically sound management framework
- Tool to identify & prioritize habitat projects
- Identify habitat needs



Habitat Restoration and Protection Projects

	Total Program	St. Paul District
Completed	33	21
Under Constructio	n 10	1
Planning/Design	17	9



Habitat Restoration and Protection Projects





Pool 8 Islands, WI







Pool 8 Islands Phase I





Pool 8 Islands Phase II





Polander Lake, MN

Habitat Project (EMP)

4

Placement Site Unloading (O&M)





Finger Lakes, MN

St. Paul District





Small Scale Drawdown

- One-time event
- 50-acre pond
- Consolidation
- Seed germination
- Outlet Closure
- Pumping



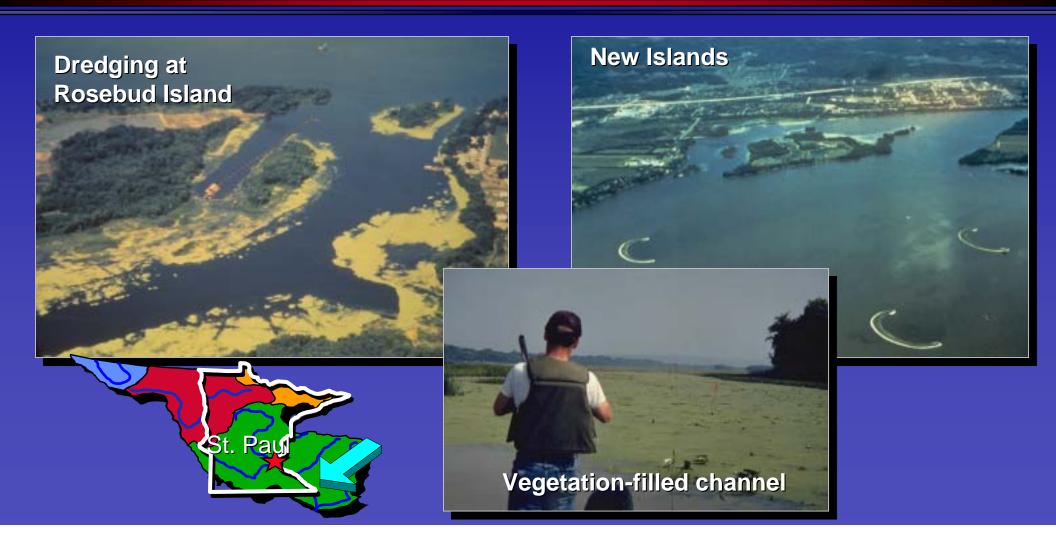


Bank Stabilization



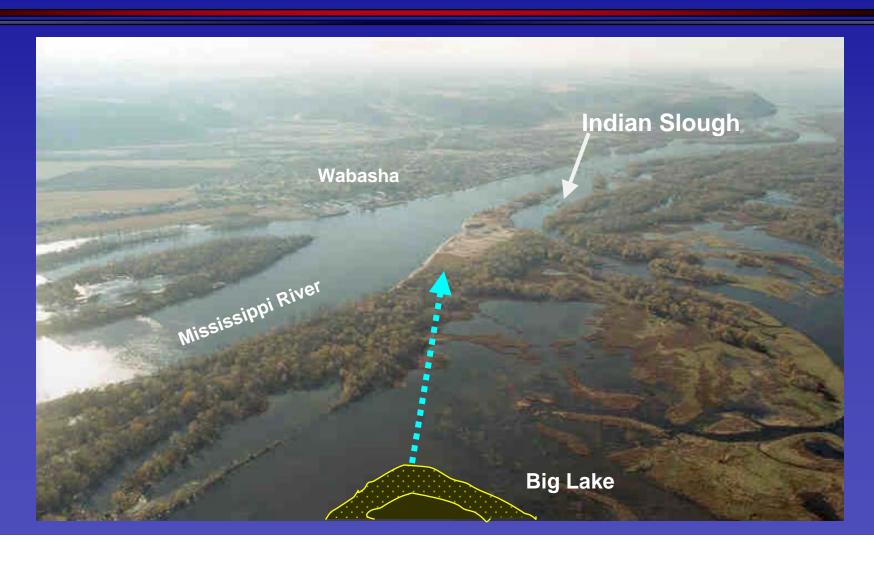


Lake Onalaska, WI





Indian Slough





Environmental Management Program

